

(12) INTERNATIONAL APPLICATION PUBLISHED IN ACCORDANCE WITH THE PATENT COOPERATION TREATY (PCT)

(19) World Organization for Intellectual Property
International Office

(43) International Publication Date: 10 November 2005

(10) International Publication No.:
WO 2005/105372 A1

PCT

(51) International Patent Classification⁷: B24B 13/00,
27/00

(21) International File No.: PCT/EP2005/051923

(22) International Application Date: 28 April 2005

(25) Language of Submittal: German

(26) Language of Publication: German

(30) Priority Information:
10 2004 021 721.1 30 April 2004 DE

(71) Applicant (for all designated countries except US):
SCHNEIDER GMBH & CO. KG [DE/DE];
Brückenstrasse 21, 35239 Steffenberg (DE)

(72) Inventor; and

(75) Inventor/Applicant (only for US): SCHNEIDER,
Gunter [DE/DE]; Kirchspitze 8A, 35037 Marburg (DE),
BUCHENAUER, Helwig [DE/DE]; Rothenbergstrasse
1B, 35232 Dautphetal-Buchenau (DE). KRÄMER,
Klaus [DE/DE]; Gärtnerstrasse 8, 35232
Dautphetal-Friedensdorf (DE).

(74) Attorney: SARTORIUS, Peter; Helmholtzstrasse 35,
68723 Schwetzingen (DE).

(81) Designated Countries (unless otherwise specified
for each available national type of protected right): AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW,
BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,

(54) Title: LENS MACHINING MACHINE

(57) Abstract:

The invention relates to a machining machine (1) for lenses, which comprises a first workpiece drive (4a), configured as the transport receptacle and having a workpiece spindle (4.1), a workpiece changer (2) for exchanging workpieces between the workpiece drive (4a) and a workpiece stock (3), and a machining station (5) for machining a workpiece. The workpiece spindle (4.1) of the workpiece drive (4a) can be rotated about an axis of rotation (c1). The workpiece drive (4a) can be swiveled about a first swiveling axis (b1) which is arranged at a right angle to the axis of rotation (c1). The work piece drive (4a) can be rotated about an axis of rotation (k) which is arranged at a right angle to the first swiveling axis (b1). The machining machine according to the invention is characterized in that at least one further workpiece drive (4b) is provided and has a spindle (4.1, 4.1') that can be rotated about a respective axis of rotation (c1, c2). Both workpiece drives (4a, 4b) can be swiveled about a first swiveling axis (b1, b2) which is arranged at a right angle to the respective axis of rotation (c1, c2). Both workpiece drives (4a, 4b) can be displaced and driven in a translatory manner about a translatory axis of displacement (x1, x2) which is arranged at a right angle to the first swiveling axis (b1, b2). Both workpiece drives (4a, 4b) can be rotated together about the axis of rotation (k).

LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
YU, ZA, ZM, ZW.

- (84) **Designated Countries** (*unless otherwise specified, for each available regional type of protected right*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC,

NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BE, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before deadline for changes to the claims;
publication will be repeated if changes occur

For an explanation of the two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" at the start of every regular issue of the PCT Gazette.